

10/525591

DT15 Rec'd PCT/PTO 25 FEB 2005

83229.1
PATENT

13649 PCTUS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Vermeer, Cees Examiner: To be assigned
Serial No.: to be assigned Group Art Unit: To be assigned
Filed: HEREWITH
For: COMPOSITIONS COMPRISING VITAMIN K FOR TREATING OR
PREVENTING AGE-RELATED STIFFENING OF ARTERIES
Customer No.:

23719
PATENT TRADEMARK OFFICEKalow & Springut LLP
488 Madison Avenue, 19th Floor
New York, New York 10022

February 25, 2005

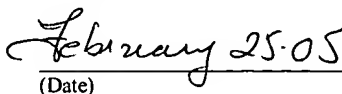
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, Applicants wish to make known to the Patent and Trademark Office the references set forth on the attached form PTO-1449 (copies of cited references are enclosed). As to any reference supplied, Applicants do not admit that it is "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserves the right to traverse or antedate any such reference, as by a showing under 37 C.F.R. § 1.131 or other method. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with Applicants' duty to disclose all information of which they are aware and believe relevant to the examination of the above-identified application, Applicants believe that their invention is patentable.

Certificate of Express Mailing Under 37 C.F.R. § 1.10

I hereby declare that on the date indicated below, this correspondence is being deposited with the United States Postal Service via Express Mail Label No. 27958043245 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA, 22313-1450 on the date shown below.


(Signature)
(Date)

I. FOREIGN PATENT DOCUMENTS

<u>Publication No.</u>	<u>Country</u>	<u>Publication Date</u>
EP 0 679 394 A2	EP	02 November 1995
EP 0 613 877 A1	EP	28 February 1994
EP 1 153 548 A1	EP	14 November 2001
GB 2 180 747 A	GB	08 April 1987
DE 199 55 607 A1	DE	07 June 2001
WO 03/013420 A2	WO	20 February 2003

II. NON PATENT PUBLICATIONS

Kawashima et al "Effects of Vitamin K₂ (Menatetrenone) on Atherosclerosis and Blood Coagulation in Hypercholesterolemic Rabbits" Jpn. J. Pharmacol, Vol. 75, pages 135-143 (1997)

MH Beers, "The Merck Manual of Diagnosis and Therapy" 1999, Merck Research Laboratories, Whitehouse Station, XP002260508, pages 1654-1658

M. Eder: "Lehrbuch der Allgemeinen Pathologie und der Pathologischen Anatomie", 1984, Springer Verlag, Heidelberg XP002260509, pages 345-351

Cees Vermeer et al, "Role of K vitamins in the regulation of tissue calcification", J Bone Miner Metab, Vol. 19, pages. 201-206 (2001)

Applicant: Vermeer
Serial No.: to be assigned
Filed: Herewith
Information Disclosure Statement – Page 3

Shanahan, et al. "Medial Localization of Mineralization-Regulating Proteins in Association With Mönckeberg's Sclerosis" Evidence for Smooth Muscle Cell-Mediated Vascular Calcification, Circulation, November 23, 1999, pages 2168-2176.

M.E. Rosenfeld, "An overview of the evolution of the atherosclerotic plaque: from fatty streak to plaque rupture and thrombosis", Z Kardio 89; Supp 7, VII/2-VII6 (2000)

Oxenham, et al. "Cardiovascular Aging and Heart Failure", The European Journal of Heart Failure, Vol. 5, pages. 427-434, (2003)

Written Opinion

British Patent Office Search Report

Because no action has been taken on the merits, Applicants submit that no fee is due at this time. However, if a fee is deemed necessary, please charge Deposit Account No. 11-0171.

Respectfully submitted,



William D. Schmidt
Registration No.: 39,492
Attorney for Applicant

Kalow & Springut LLP
(212) 813-1600

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

13649PCTUS

Application Number

107525591
To be assigned

Applicant(s)

VERMEER, Cees

Filing Date

Herewith

Group Art Unit

To be assigned

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
		EP 0 679 394 A2	02-11-1995	EUROPE			✓	
		EP 0613877 A1	07-09-1994	EUROPE			✓	
		EP 1 153 548 A1	14-11-2001	EUROPE			✓	
		GB 2 180 747 A	08-04-1987	GREAT BRITAIN			✓	
		DE 19955607	07-06-2001	GERMANY				✓

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

		Kawashima et al "Effects of Vitamin K2 (Menatetrenone) on Atherosclerosis and Blood Coagulation in Hypercholesterolemic Rabbits" Jpn. J. Pharmacol, Vol. 75, pages 135-143 (1997)
		Cees Vermeer et al, "Role of K vitamins in the regulation of tissue calcification", J Bone Miner Metab, Vol. 19, pages. 201-206 (2001)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO. 13649PCTUS		APPLICATION NO. 10/525591 <i>To be assigned</i>		
				APPLICANT(S) VERMEER, Cees				
				FILING DATE HEREWITH		GROUP ART UNIT To be assigned		
U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
U.S. PATENT APPLICATION PUBLICATIONS								
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FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		WO 03013420 A2	20-02-2003	WO			✓	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
		MH Beers, "The Merck Manual of Diagnosis and Therapy" 1999, Merck Research Laboratories, Whitehouse Station, XP002260508, pages 1654-1658						
		M. Eder: "Lehrbuch der Allgemein Pathologie und der Pathologischen Anatomie", 1984, Springer Verlag, Heidelberg XP002260509, pages 345-351						
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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
						✓

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

			Oxenham, et al. "Cardiovascular Aging and Heart Failure", The European Journal of Heart Failure, Vol. 5, pages. 427-434, (2003)

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

			Written Opinion
			British Patent Office Search Report

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INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO. 13649PCTUS		APPLICATION NO. 11/125591 <i>To be assigned</i>			
				VERMEER, Cees				FILING HEREWITH	
U.S. PATENT DOCUMENTS									
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			Shanahan, et al. "Medial Localization of Mineralization-Regulating Proteins in Association With Mönckeberg's Sclerosis" Evidence for Smooth Muscle Cell-Mediated Vascular Calcification, Circulation, November 23, 1999, pages 2168-2176.						
			M.E. Rosenfeld, "An overview of the evolution of the atherosclerotic plaque: from fatty streak to plaque rupture and thrombosis", Z Kardio 89; Supp 7, VII/2-VII/6 (2000) ©Steinkopff Verlag 2000						
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

			Mönckeberg's Sclerosis" Evidence for Smooth Muscle Cell-Mediated Vascular Calcification, Circulation, November 23, 1999, pages 2168-2176.

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